



## Room Temperature Vulcanizing (RTV) Fluorosilicone Sealant Silfluo LR-FR3000

### Description:

LR-FR3000 Series is a one-component, room-temperature vulcanizing (RTV) fluorosilicone sealant. It features excellent resistance to oils and fuels, wide service temperature performance, and provides waterproofing and airtight sealing. The sealant also offers good adhesion to a broad range of substrates, making it suitable for general industrial sealing applications.

### Typical Technical Properties:

Project	Test Method	FL3001	FL3004
Type		Acetoxy Cure	Ketoxime Cure
Color	Visual Inspection	White	Milky white
Viscosity/Pa.s (Shear rate 10s-1)	Rotational Viscometer Method	188	226
Extrudability / g/min	GB/T13477.3	126	90
Surface drying time / min	GB/T13477.5	5	8
23°C×50%×7d			
Density /g/cm3	ASTM D792	1.44	1.44
Hardness /Shore A	ASTM D2240	40	37
Tensile strength /MPa	ASTM D412	4.0	3.6
Elongation at break /%	ASTM D412	292	425
Tear strength /kN/m	ASTM D624-B	10.6	11.2
Peel Strength (Aluminum) / kN/m	GB/T15254	0.83	1.25
IRM903/% (150°C×168h)	ASTM D471	1.5	1.8
Fuel F Diesel/% (40°C×168h)	ASTM D471	2.0	3.3
Fuel C/% (60°C×168h)	ASTM D471	18.6	20.5
FAM B/% (60°C×168h)	ASTM D471	26.5	27.0
Jet Fuel No.3/% (23°C×168h)	ASTM D471	3.9	4.2

# Technical Data Sheet



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## **Application:**

LR-FR3000 Series is recommended for flat-surface sealing / form-in-place sealing in:

- Engines
- Transmissions and gearboxes
- Drivetrain / powertrain components
- Brake systems
- Pipe flanges and flange joints

## **Package &Storage:**

Net content: 300 mL plastic cartridge.

Store in a cool, dry environment. Shelf life is 6 months in the original unopened packaging. Avoid contact with eyes before curing. In case of accidental contact, rinse immediately with water and seek medical attention.